

B
1
CONTD.

63. (New) The maize cell of Claim 62 wherein the cell is part of a maize plant produced by the additional step of regenerating a plant from an embryo expressing the gene.

64. (New) A maize cell prepared by a method for transforming maize, wherein the method comprises the steps of:

contacting at least one immature embryo from a maize plant with *Agrobacterium* capable of transferring at least one gene to the embryo in a medium comprising N6 salts;

co-cultivating the embryo with *Agrobacterium* in a medium comprising N6 salts; and

culturing the embryo in a medium comprising N6 salts, an antibiotic capable of inhibiting the growth of *Agrobacterium*, and a selective agent to select for embryos expressing the gene.

65. (New) The maize cell of Claim 64 wherein the cell is part of a maize plant produced by the additional step of regenerating a plant from an embryo expressing the gene.

66. (New) A maize cell prepared by a method for transforming maize, wherein the method comprises the steps of:

contacting at least one immature embryo from a maize plant with *Agrobacterium* capable of transferring at least one gene to the embryo in a medium comprising N6 or MS salts;

co-cultivating the embryo with *Agrobacterium* in a medium comprising MS salts;
and

culturing the embryo in a medium comprising N6 salts, an antibiotic capable of inhibiting the growth of *Agrobacterium*, and a selective agent to select for embryos expressing the gene.

67. (New) The maize cell of Claim 66 wherein the cell is part of a maize plant produced by the additional step of regenerating a plant from an embryo in a medium comprising MS salts.

B
CONTD.

68. (New) A transformed maize cell produced by a method comprising the steps of:
contacting at least one cell from a maize plant with *Agrobacterium* capable of
transferring at least one gene to the embryo;
co-cultivating the cell with *Agrobacterium*; and
culturing the cell in a medium comprising N6 salts, an antibiotic capable of
inhibiting the growth of *Agrobacterium*, and a selective agent to select for cells expressing the
gene; and
identifying cells expressing the gene.

69. (New) The cell of Claim 68 wherein the cells in the contacting step are obtained from a culture of maize cells.

70. (New) The cell of Claim 68 wherein the cells in the contacting step are in an isolated tissue fragment.

71. (New) The cell of Claim 70 wherein the tissue fragment is a maize embryo.

72. (New) A transformed maize cell produced by a method comprising the steps of:
contacting at least one immature embryo from a maize plant with *Agrobacterium* capable of transferring at least one gene to the embryo;
co-cultivating the embryo with *Agrobacterium*; and
culturing the embryo in a medium comprising salts other than MS salts, an antibiotic capable of inhibiting the growth of *Agrobacterium*, and a selective agent to select for cells expressing the gene; and
identifying cells expressing the gene.